



Happy Independence Day

15 August 2021



Creating Future Fuels

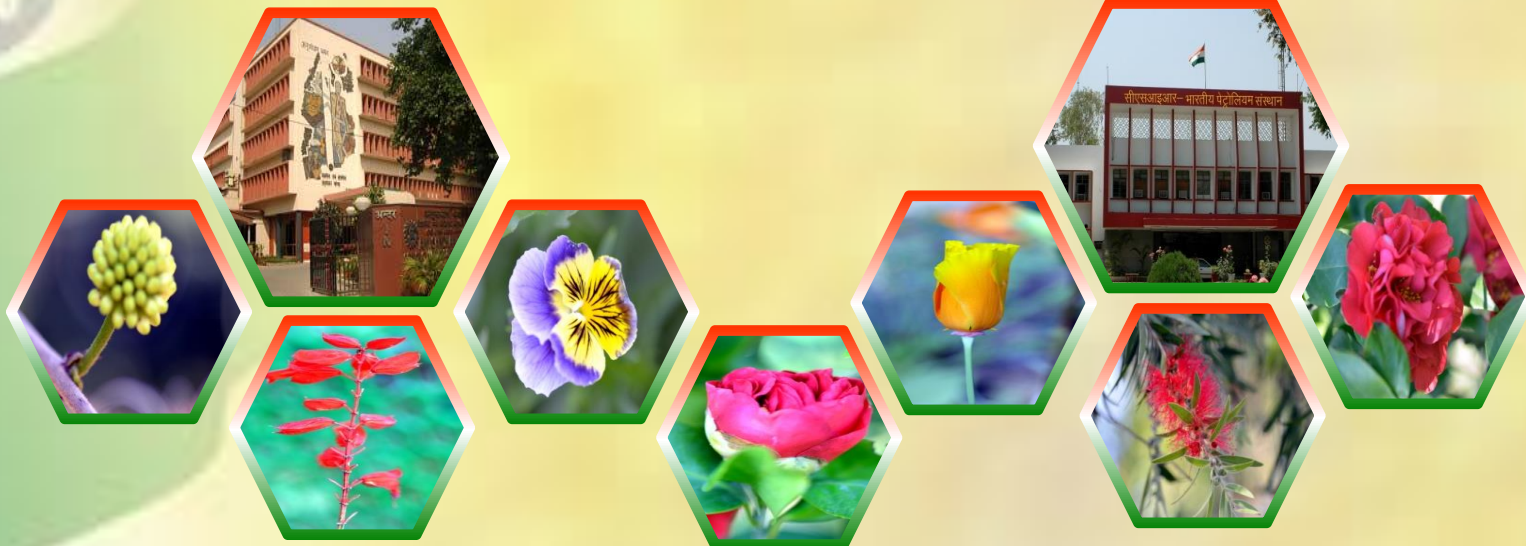


आप सभी को

स्वतंत्रता दिवस

की

हार्दिक शुभकामनाएं।



संस्थान परिवार में स्वागत



डॉ अविनाश पलोडकर
वरिष्ठ वैज्ञानिक



डॉ कृतिका कोहली
वैज्ञानिक



डॉ भरत एस राणा
वैज्ञानिक



डॉ. डी.वी.डी.बी. चौधरी
वैज्ञानिक



श्री भारत भूषण
भंडार एवं क्रय अधिकारी



श्री वैभव
तकनीकी अधिकारी



डॉ. मुदावत रवि
तकनीकी सहायक



श्री रोहित
तकनीकी सहायक



श्री संदीप कु. चौहान
तकनीशियन



श्री सौमेन मॉडल
तकनीशियन



श्री तनुज कुमार
तकनीशियन



श्री राम गोपाल
एम टी एस



पदोन्नतियां

जनवरी से जुलाई 2021



Creating Future Fuels

Chief Scientist



Mrs. Poonam Gupta Dr. N Viswanadham Dr. Suman Lata Jain Dr. Shailendra Tripathi Dr. Devendra Singh Dr. O P Khatri

Sr. Principal Scientist

Principal Scientist



Dr. Raj Kumar Singh Dr. Pankaj Kanaujia Sh. Pankaj Arya Sh. Prasenjit Ghosh Dr. Debashish Ghosh Dr. Ankur Bordoloi



Dr. Arti



Dr. Saleem Farooqui



Dr. Anand Mohit

(Now Posted to CSIR HQ, New Delhi)



संस्थान परिवार से विदाई

जनवरी से जुलाई 2021



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डॉ. डी सी पाण्डेय
प्रधान तकनीकी अधिकारी



श्री एम एल शर्मा
प्रधान तकनीकी अधिकारी



श्री सरबजीत सिंह
प्रधान तकनीकी अधिकारी



श्रीमति किरण बाला
वरिष्ठ सचिवालय सहायक



स्वर्गीय भरत सिंह
लैब सहायक



EBR/ECF



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Financial Year	Rs. In Lakhs
2020-2021	1659
2021-2022 (Till date)	2517



Extra Budgetary Resources



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(Value Rs. in Lakh)

	2017-18	2018-19	2019-20	2020-21	2021-222
Refineries and PSU's	2014.54	1015.16	586.99	812.28601	100.70551
Govt. Organizations	813.00	785.43	952.45	714.08881	2385.70042
Private Organizations	257.30	399.47	282.89	119.07699	28.98685
Overseas	12.16	1.23	2.89	13.62023	2.55538
TOTAL	3097.00	2201.29	1825.22	1659.0704	2517.94816



New Grant In Aid Projects

(January 2021 – till date)



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S. No.	Project Title	Sponsor	Project Cost (Rs L)
1.	High-temperature workability and tribological characterization of high entropy alloy	SERB, New Delhi	28.22
2.	Development of industrial catalyst for selective production of xylene from bio-derived glycerol	SERB, New Delhi	18.40
3.	RT-PCR based SARS-COV-2 patient sample testing of Utrakhand	Medical Education Directorate, Utrakhand	35.00
4.	Fabrication, supply and installation of medical grade oxygen concentrator system to government establishments under PM cares fund	CSIR-NEERI, Nagpur	2.50
5.	Clathrate hydrates: opportunities for innovative technologies	SERB, New Delhi	119.00
6.	Fabrication, supply and installation of medical grade oxygen concentrator system to government establishments under PM-CARES Fund	PM Cares Fund	6480.00



New Projects

(January 2021 – till date)



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Highlights

Projects	Nos.	Cost (Rs. in Lakhs)
GAP	6	6809.92
TSP	7	106.12
SSP	19	104.52
CSIR-HLP/HCP	4	301.27
Total	36	7321.83



Patents Granted/Filed



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Year	India		Foreign	
	Filed	Granted	Filed	Granted
2019-20	3	13	4	8
2020-21	6	23	5	7
2021-2022 (Jan. 2021 till 15 Aug. 2021)	02	02	01	



Knowledge Generation (Research Papers)



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Year	Journal			Conference
	Non SCI	SCI	Total	
2019-20	5	87	92	91
2020-21	6	99	105	17
2021-2022 (Jan. 2021 till 15 Aug. 2021)	--	21	21	4



High Impact Factor Papers

(January 2021 – till date)



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1. Py-GC/MS study of prot lignin with cobalt impregnated titania, ceria and zirconia catalysts, Avnish Kumar, Bijoy Biswas, Komal Saini, Adarsh Kumar, Jitendra Kumar, Bhavya B. Krishna, Thallada Bhaskar, Renewable Energy, Volume 172, July 2021, Pages 121-129 (6.274)
2. Synthesis and characterization of coal fly ash supported Zinc Oxide catalyst for biodiesel production using cooking oil as feed, A S Yusuf, Aman K Bhonsle, J Trivedi, D P Bangwal, L P Singh, N Atrey, Renewable Energy, Volume 170, June 2021, Pages 302-314 (6.274)
3. Combined experimental and computational study to unravel the factors of the Cu/TiO₂ catalyst for CO₂ hydrogenation to methanol Sachin Kumar Sharma, Arghya Banerjee, Bappi Paul, Mukesh Kumar Poddar, Takehiko Sasaki, Chanchal Samanta, Rajaram Bal, Journal of CO₂ Utilization, Volume 50, August 2021, 101576 (5.993)
4. Novel polyol based deep eutectic solvent (PDES): A potential candidate for bio-lubricant and additive for tribological performance, Ponnekanti Nagendramma, Praveen Kumar Khatri, Shubham Goyal, and Suman Lata Jain, Journal of molecular liquids, June 2021 (5.065)
5. Aminoguanidine-Based Deep Eutectic Solvents as Environmentally friendly and High-Performance Lubricant Additives Amzad Khan, Raghuvir Singh, Piyush Gupta, Kanika Gupta, O P Khatri, Journal of Molecular Liquids (Available online June 2021) (5.065)
6. Design of highly stable MgO promoted Cu/ZnO catalyst for clean methanol production through selective hydrogenation of CO₂, Sachin Kumar Sharma, Tuhin S Khan, Rajib Kumar Singha, Bappi Paul, Mukesh Kumar Poddar, Takehiko Sasaki, Ankur Bordoloi, Chanchal Samanta, Shelaka Gupta, Rajaram Bal, Applied Catalysis A: General, Volume 623, 5 August 2021, 118239 (5.006)



Agreements / NDA & MoUs Signed

(January 2021 – till date)



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Industry	29 (19: Up scaling the medical Oxygen generator as CSIR-IIP design)
PSU	1
International	1
Govt. Department	3
Total	34



Training Programs Organized



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	2019-2020	2020-2021	2021-2022 (Jan. 2021–till date)
Sponsored Training Programs	12	3+13 Onsite/Online	7+3 Online/Onsite
No. of Participants	207	240	217



Skill Development Programs Organized

(January 2021 – till date)



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- Analytical Chemistry , Tools and Techniques (March 8 - April 16, 2021)
- Training in different R& D areas for Students of SGRR University (18 Jan. - 12 April, 2021)



CSIR-IIP, CIPET MoU on Skill Development



PhD Degree Awarded

January 2021 – till date



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1. Mr. Anurag Kumar

“Semiconductor–Metal Hybrid Materials for Photocatalytic Activation of Organic Compounds”

Degree awarded: **June 14, 2021 (AcSIR)**

2. Ms. Tripti Sharma

“Production of Yeast Single Cell Oil from Lignocellulosic Biomass and Its Assessment as Biofuel and Oleochemicals”.

Degree awarded: **July 16, 2021 (AcSIR)**

3. Mr. Amzad Khan

“Ionic liquid and deep eutectic solvents for enhancement of lubrication properties”

Degree awarded: **July 23, 2021 (AcSIR)**

4. Ms. Kanika Gupta

“Nanostructured carbon-based materials for wastewater remediation and environmental applications”.

Degree awarded: **July 29, 2021 (AcSIR)**



PhD Degree Awarded

January 2021 – till date



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5. Mr. Adarsh Kumar

“Reductive catalytic transformation of lignin and lignin derived bio-oil to functional chemicals”.

Degree awarded: **August 03, 2021 (AcSIR)**

6. Deependra Tripathi

“Applications of Transition Metal Complexes for Up-gradation, and Value Addition of Petroleum Fractions”.

Degree awarded: **June 28, 2021 (IIT Roorkee)**

7. Raghuvir Singh

“Studies on Activated Biochar For Adsorptive removal of Model Contaminants of Petroleum Refinery Wastewater”.

Degree awarded: **August 04, 2021 (IIT Roorkee)**

8. Kamal Kumar

“Development of Bituminous Binder using Different Additives”.

Degree awarded: **April 5, 2021 (UTU, Dehradun, Uttarakhand)**



Happy Independence Day
15 August 2021



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Major Events Organized



सीएसआईआर-भारतीय पेट्रोलियम संस्थान, देहरादून में 26 जनवरी, 2021 को 72 वां गणतंत्र दिवस मनाया गया।

इस अवसर पर डॉ. अंजन रे निदेशक सीएसआईआर-आईआईपी ने ध्वजारोहण किया तथा सुरक्षाकर्मियों द्वारा की गयी परेड की सलामी ली।

गणतंत्र दिवस के अवसर पर डॉ. अंजन रे ने अभाषी रूप से जुड़े हुये सभी लोगो को संबोधित किया।





National Science Day

February 28, 2021



Panel Discussion

on

“The Role of Science, Technology and Innovation is Shaping the Future of Education, Skill and Work”

PANELISTS

Ms. Juthika Patankar

Additional Secretary, Ministry of Skill
Development and Entrepreneurship

Ms Varsha Joshi

Chairman, NDDB

Dr Prabhat Ranjan

Vice Chancellor, DY International University

Dr. Anirudh Gautam

Executive Director, Railways Development
and Standards Organization

Mr Anil Dhussa

Former Advisor, Ministry of New and Renewable Energy

Moderator : Dr Anjan Ray, Director, CSIR-IIP

Room Temperature Biodiesel

RUCO Express (Relaunched on Feb. 26, 2021)

- ❖ Received demand for the mobile unit from UP Bio-Energy Board, Indian Railway (Danapur Division-Bihar), HUL, HPCL, few start up/entrepreneurs and few big Colleges and Schools.
- ❖ Planned to set up 5L unit in collaboration with Uttarakhand State FDA for demonstration during CHAR DHAM YATRA.



Press conference on Repurposed Used Cooking Oil (RUCO) was organized jointly by CSIR-IIP, Food and Drugs Dept., Govt. of Uttarakhand, SDC foundation on March 10, 2021 at Gaurav Hotel, Dehradun.

BHARAT RATNA DR. BHIM RAO AMBEDKAR JAYANTI



- Celebrated 130th birth anniversary of Dr. B.R Ambedkar at the Dr. B.R Ambedkar International Training Centre, CSIR-IIP campus
- The program was initiated by paying floral tributes to Dr. Bhim Rao Ambedkar
- The members of CSIR-IIP SC/ST association actively participated in the celebration



Diamond Jubilee Celebration

14th April, 2021



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CSIR-IIP, Dehradun celebrated its Diamond Jubilee on 14th April, 2021 completing 60 glorious years in 2020. The theme of the function was Atma Nirbhar Bharat: Utilization of Indigenous Carbon Resources – Reduction of Import Crude Dependency

The Chief Guest of the event was Dr Sanjiv S. Katti, DG ONGC Energy Centre and Dr Shekhar C Mande DG CSIR graced the occasion as Guest of Honor. The event was organized in hybrid physical-online mode



Diamond Jubilee Celebration

14th April, 2021



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Glimpses of

DG, CSIR Visit





विश्व पर्यावरण दिवस

5 जून 2021



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- सी एस आई आर - भारतीय पेट्रोलियम संस्थान देहरादून में दिनांक 5 जून 2021 को विश्व पर्यावरण दिवस मनाया गया ।
- संस्थान के निदेशक डॉक्टर अंजन रे ने एक बरगद का पौधा लगाकर इस वृक्षारोपण कार्यक्रम का शुभारम्भ किया।
- इसके अंतर्गत सर्वाधिक पीपल व् बरगद आदि के पौधे लगाए गए जो सर्वाधिक प्राणवायु (ऑक्सीजन) देते हैं । इस कार्यक्रम के अंतर्गत वैश्विक महामारी कोरोना के कारण आईआईपी परिवार के दिवंगत कर्मचारियों व परिवार जन की स्मृति में भी पेड़ लगाए गए।



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Significant Achievements





Himalayan Centre for Virus Diagnostics (HCVD)



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Accomplishments

❖ During the second wave of Corona, RT-PCR based testing capacity increased from 150 samples/day to 450 samples per day followed by result uploading within 24 hr.

❖ More than 29000 samples tested.

❖ Hassel-free testing for IIP staff.

(Regular/Retired, Dependents, Students, Contractual)

Till date, more than 320 staff members tested & benefited



❖ No deviation in result,



Quality checked and validated by
third party (AIIMS-R)

❖ Safety is our key priority,



No contamination so far



Himalayan Centre for Virus Diagnostics (HCVD) – Extension with FELUDA



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Tata MD partnered with CSIR- IIP for CRISPR based Covid-19 testing technology to serve Uttarakhand State.

Advantage

- ✓ Fast, Specific and Sensitive.
- ✓ Testing capacity drastically increased, 800-1000 samples/day
- ✓ Testing possible in mobile van
- ✓ Suitable for Covid-19 testing in remote and hilly areas

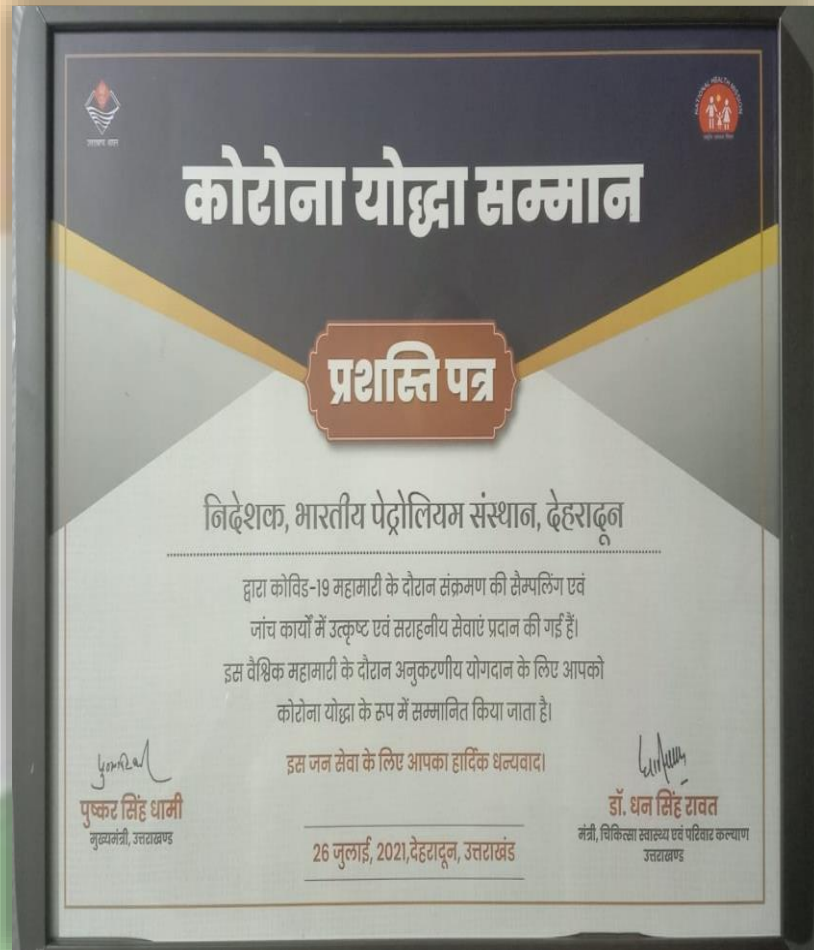




Himalayan Centre for Virus Diagnostics (HCVD)



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Corona Warrior Award for CSIR-IIP's contribution in COVID-19 testing

CSIR - INDIAN INSTITUTE OF PETROLEUM, DEHRADUN

Crash Course On

Molecular Diagnosis of Covid-19

Get Trained on RT-PCR and CRISPR Technology for Covid-19 diagnosis

- Who should attend ?**
This program is intended for life science graduate Post graduate ,Medical laboratory technicians and professionals involved in diagnostics
- What will you achieve?**
Develop an understanding of COVID-19 diagnostics and testing strategies

Free Participation sponsored by

Course duration 12 days

Last date of application 16 th Aug. 2021

Who will you learn with ?

Open for Uttarakhand Residents

Dr. T. Bhaskar
Senior Pr. Scientist

Dr. Anjan Ray
Director -IIP

Dr. G. Thakkar
Senior RMO

Dr. Sunil Kumar
Senior Scientist

For More Information: visit to www.iip.res.in or www.ucot.in
Contact : (0135) 2525763 , email: sunilkr@iip.res.in, aparnansarin@gmail.com;

CSIR-IIP will generate 50 Manpower trained in Molecular Diagnostic



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वैदे
मातरम्

